

# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

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No. 22] NEW DELHI, SATURDAY, MAY 27, 2000 (JYAISTHA 6, 1922)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 27th May 2000

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1-87 GI/2000

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Pondicherry and the Union  
Territories of Laccadive, Minicoy  
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"

Phone No. 490 1495  
Fax No. 044 490 1492

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O.  
Building, 5th, 6th and 7th  
Floors, 234/4, Acharya Jagadish  
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

Phone No. 247 4401  
Fax No. 033 247 3851

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## पेटेंट कार्यालय

एकसूच तथा अभिकल्प

कलकत्ता, दिनांक 27 मई 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न कम में वर्णित हैं—

पेटेंट कार्यालय शाखा, टोकी इस्टेट,

बैंगलूर ताल, लोअर परनेल (प.),

मुम्बई-400013 ।

पटना, महाराष्ट्र, मध्य प्रदेश

तथा गोवा राज्य क्षेत्र एवं मंच

प्रदेश क्षेत्र, दमन तथा दीव एवं

दादर क्षेत्र नगर हवेली ।

तार पता - "पेटेंटोफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,

एकक सं. 401 से 405, तीसरा तल,

कमप्लेक्स बाजार भवन,

पुरखली मार्ग, कर्णेल बाग,

नई दिल्ली-110 005 ।

जीर्याणा, हिमाचल प्रदेश, जम्मू

तथा कश्मीर, पंजाब, राजस्थान,

उत्तर प्रदेश तथा दिल्ली राज्य

क्षेत्रों एवं मंच शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

ब्लॉक "सी" (सी-4, ए),

तीसरा तल, राजाजी भवन,

बंगलूर नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु

तथा पाण्डिचेरी राज्य क्षेत्र एवं

मंच शासित क्षेत्र, लक्षद्वीप, मिन्निकाय

तथा एमिनिदीवी द्वीप ।

तार पता - "पेटेंटोफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, द्वितीय बहुतलीय कार्यालय

भवन, 5, 6 तथा 7वां तल,

224/4, आचार्य जगदीश बांस मार्ग,

कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटोफिस"

फोन : 247 1401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई भी पेटेंट कार्यालय के केवल समीक्षित कार्यालय में ही प्रेषण किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जायगी अथवा जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान की दायरगी के तहत में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

## CORRIGENDA

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec.-2 dated 21-01-2000 was notified on 19-02-2000 delete the Patent No. 182800 (2038/Cal/98) and 182810 (1987/Mas/97) which were inadvertently sealed.

Under the heading "PATENT SEALED" in the Gazette of India, Part-III, Sec.-2, dated 21st January, 2000 was notified on 19th February, 2000 delete the Patent No. 182829 (2036/Cal/98) and 182830 (2037/Cal/98) which were inadvertently sealed.

National Phase application for patent under PCT  
(Chapter-1) filed from 22-11-99 to 31-12-99

National Phase Application No. : IN/PCT/99/00101.  
Date of Receipt : 22 November 1999.  
PCT Application No. : PCT/DE99/00982.  
PCT Filing Date : 31 March 1999.  
Applicant(s) & Inventor(s) : ROBERT BOSH GMBH.  
Title : DEVICE FOR SUPPRESSING ENGINE KNOCK  
IN INTERNAL COMBUSTION ENGINE.  
Priority No. : 198 14 938.7.  
Priority Date : 03 April 1998.

National Phase Application No. : IN/PCT/99/00102.

Date of Receipt : 25 November 1999.

PCT Application No. : PCT/FR99/00954.

PCT Filing Date : 22 April 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN.

Title : METHOD AND DEVICE FOR DRAWING OUT  
MINERAL WOOL BY FIBRES BY FREE CENTRIFUG-  
ING.

Priority No. : 98/05198.

Priority Date : 24 April 1998.

National Phase Application No. : IN/PCT/99/00103.

Date of Receipt : 29 November 1999.

PCT Application No. : PCT/EP99/01354.

Applicant(s) & Inventor(s) : MONTELL TECHNOLOGY  
COMPANY B.V.

Title : POLYBUTENE-1 (CO) POLYMERS AND PRO-  
CESS FOR THEIR PREPARATION.

Priority No. 98200674.4.

Priority Date : 05 March 1998.

National Phase Application No. : IN/PCT/99/00104.

Date of Receipt : 30 November 1999.

PCT Application No. : PCT/US99/13949.

PCT Filing Date : 19 June 1999.

Applicant(s) & Inventor(s) : SHEHADEH, AHMED AB-DALLAH.

Title : HERBAL EXTRACT COMPOSITION AND METHOD WITH IMMUNE BOOSTING CAPABILITY.

Priority No. : 09/102,355.

Priority Date : 23 June 1998.

National Phase Application No. : IN/PCT/99/00105.

Date of Receipt : 01 December 1999.

PCT Application No. : PCT/IB99/00514.

PCT Filing Date : 25 March 1999.

Applicant(s) & Inventor(s) : KONINKLIJKE PHILIPS ELECTRONICS N.V.

Title : COMMUNICATIONS DEVICE.

Priority No. : 9807052.7.

Priority Date : 02 April 1998.

National Phase Application No. : IN/PCT/99/00106.

Date of Receipt : 01 December 1999.

PCT Application No. : PCT/US99/04857.

PCT Filing Date : 04 March 1999.

Applicant(s) & Inventor(s) : HOYT, DAVID, L. AND FLAHERTY, STEPHEN, M.

Title : PLAYING CARDS.

Priority No. : 09/034,980.

Priority Date : 05 March 1998.

National Phase Application No. : IN/PCT/99/00107.

Date of Receipt : 02 December 1999.

PCT Application No. : PCT/DE99/01033.

PCT Filing Date : 06 April 1999.

Applicant(s) & Inventor(s) : RAG AKTIENGESSELLSCHAFT.

Title : TAMPING DEVICE WITH AN ELASTIC ECCENTRIC DISK.

Priority No. : 198 15 535.2.

Priority Date : 07 April 1998.

National Phase Application No. : IN/PCT/99/00108.

Date of Receipt : 06 December 1999.

PCT Application No. : PCT/EP99/01804.

PCT Filing Date : 18 March 1999.

Applicant(s) & Inventor(s) : MONTELL TECHNOLOGY B. V.

Title : PREPOLYMERISED CATALYST COMPONENTS FOR THE POLYMERISATION OF OLEFINS.

Priority No. : 98200907.8.

Priority Date : 23 March 1998.

National Phase Application No. : IN/PCT/99/00109.

Date of Receipt : 06 December 1999.

PCT Application No. : PCT/EP99/03316.

PCT Filing Date : 14 May 1999.

Applicant(s) & Inventor(s) : BARMAG AG.

Title : TEXTURING MACHINE.

Priority No. : 198 22 885.6.

Priority Date : 22 May 1998.

National Phase Application No. : IN/PCT/99/00110.

Date of Receipt : 07 December 1999.

PCT Application No. : PCT/JP99/01993.

PCT Filing Date : 14 April 1999.

Applicant(s) & Inventor(s) : NOF CORPORATION.

Title : METHOD FOR FORMING COATING FILM AND COATING COMPOSITION.

Priority No. : 104997/1998.

Priority Date : 15 April 1998.

National Phase Application No. : IN/PCT/99/00111.

Date of Receipt : 26 November 1999.

PCT Application No. : PCT/JP99/01580.

PCT Filing Date : 29 March 1999.

Applicant(s) & Inventor(s) : MITSUBISHI HEAVY INDUSTRIES LTD.

Title : GEAR SHAPING METHOD AND DEVICE AND SPIRAL BEVEL GEAR CUTTER.

Priority No. : 10/88555.

Priority Date : 01 April 1998.

National Phase Application No. : IN/PCT/99/00112.

Date of Receipt : 29 November 1999.

PCT Application No. : PCT/US99/16841.

PCT Filing Date : 23 July 1999.

Applicant(s) & Inventor(s) : MITSUBISHI HEAVY INDUSTRIES LTD.

Title : GEAR SHAPING METHOD AND DEVICE AND SPIRAL BEVEL GEAR CUTTER.

Priority No. : 10-88555.

Priority Date : 01 April 1998.

National Phase Application No. : IN/PCT/99/00113.

Date of Receipt : 30 November 1999.

PCT Application No. : PCT/JP99/01813.

PCT Filing Date : 06 April 1999.

Applicant(s) & Inventor(s) : NIPPON THERMOSTAT COMPANY LTD.

Title : DEVICE FOR DETECTING DISPLACEMENT IN DRIVEN ELEMENT DRIVEN WITH BRUSHLESS MOTOR.

Priority No. : 10/111539.

Priority Date : 07 April 1998.

National Phase Application No. : IN/PCT/99/00114.

Date of Receipt : 30 November 1999.

PCT Application No. : PCT/JP99/01814.

PCT Filing Date : 06 April 1999.

Applicant(s) & Inventor(s) : NIPPON THERMOSTAT COMPANY LTD.

Title : COOLING CONTROLLER FOR INTERNAL COMBUSTION ENGINE.

Priority No. : 10/111538.

Priority Date : 07 April 1998.

National Phase Application No. : IN/PCT/99/00115.

Date of Receipt : 02 December 1999.

PCT Application No. : PCT/DE99/01035.

PCT Filing Date : 06 April 1999.

Applicant(s) & Inventor(s) : RAG AKTIENGESELLSCHAFT.

Title : TAMPING DEVICE WITH A GUIDE AND TAMPING ROD LOCKING DEVICE.

Priority No. : 198 15 432.1.

Priority Date : 07 April 1998.

National Phase Application No. : IN/PCT/99/00116.

Date of Receipt : 09 December 1999.

PCT Application No. : PCT/JP99/01920.

PCT Filing Date : 12 April 1999.

Applicant(s) & Inventor(s) : NKK CORPORATION.

Title : SCREW JOINT FOR OIL WELL PIPING.

Priority No. : 10/100800.

Priority Date : 13 April 1998.

National Phase Application No. : IN/PCT/99/00117.

Date of Receipt : 13 December 1999.

PCT Application No. : PCT/FR99/00882.

PCT Filing Date : 15 April 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN

Title : METHOD FOR DETERMINING THE ORIENTATION OF FIBRE STRUCTURE IN A MINERAL WOOL MAT.

Priority No. 98/05077.

Priority Date : 23 April 1998.

National Phase Application No. : IN/PCT/99/00118.

Date of Receipt : 14 December 1999.

PCT Application No. : PCT/DE99/01213.

PCT Filing Date : 16 April 1999.

Applicant(s) & Inventor(s) : SIEMENS AKTIENGESELLSCHAFT.

Title : CABINET WITH AT LEAST ONE BUILT-IN ELECTRICAL APPARATUS.

Priority No. : 198 17 945.6.

Priority Date : 17 April 1998.

National Phase Application No. : IN/PCT/99/00119.

Date of Receipt : 14 December 1999.

PCT Application No. : PCT/DE99/01011.

PCT Filing Date : 01 April 1999.

Applicant(s) & Inventor(s) : PATENT-TREUHANDGESELLSCHAFT FÜR ELEKTRISCHE GLÜHLAMPEN MBH.

Title : CIRCUIT CONFIGURATION FOR OPERATING AT LEAST ONE DISCHARGE LAMP

Priority No. : 198 19 027.1.

Priority Date : 29 April 1998.

National Phase Application No. : IN/PCT/99/00120.

Date of Receipt : 16 December 1999.

PCT Application No. : PCT/FR99/01185.

PCT Filing Date : 18 May 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN

Title : MELTING FURNACE, IN PARTICULAR FOR GLASS, AND USE THEREOF.

Priority No. : 98/06322.

Priority Date : 19 May 1998.

National Phase Application No. : IN/PCT/99/00121.

Date of Receipt : 16 December 1999.

PCT Application No. : PCT/EP99/03721.

PCT Filing Date : 28 May 1999.

Applicant(s) & Inventor(s) : DORMA GMBH + CO. KG.

Title : ATTACHMENT DEVICE FOR A GLASS PANE AT A MOUNTING FIXED TO A STRUCTURE.

Priority No. : A 954/98.

Priority Date : 04 June 1998.

National Phase Application No. : IN/PCT/99/00122.

Date of Receipt : 17 December 1999.

PCT Application No. : PCT/AT99/00096.

PCT Filing Date : 19 April 1999.

Applicant(s) & Inventor(s) : TYROLIT SCHLEIFMITTELWERKE SWAROVSKI K.G.

Title : GRINDING WHEEL.

Priority No. : A 673/98.

Priority Date : 21 Apr 1998.

National Phase Application No. : IN/PCT/99/00123.

Date of Receipt : 23 December 1999.

PCT Application No. : PCT/FR99/01056.

PCT Filing Date : 04 May 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN.

Title : BIODEGRADABLE MINERAL WOOL COMPOSITION.

Priority No. 98/05707.

Priority Date : 06 May 1998.

National Phase Application No. : IN/PCT/99/00124.

Date of Receipt : 23 December 1999.

PCT Application No. : PCT/FR99/01055.

PCT Filing Date : 04 May 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN.

Title : MINERAL WOOL COMPOSITION.

Priority No. 98/05708.

Priority Date : 06 May 1998.

National Phase Application No. : IN/PCT/99/00125.

Date of Receipt : 31 December 1999.

PCT Application No. : PCT/FR99/01054.

PCT Filing Date : 04 May 1999.

Applicant(s) & Inventor(s) : ISOVER SAINT-GOBAIN.

Title : BIODEGRADABLE MINERAL WOOL COMPOSITION.

Priority No. : 98/05706.

Priority Date : 06 May 1998.

Alteration of Date, U/s 16

183962 Antedated to 20th April 1994.  
(283/Cal/98)

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate along with evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंधित आवेदनो में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेक्षित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निर्वचक एकरा को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संबंध में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुसंधान हैं।

विनिर्देश तथा चित्र आरंभ, यदि कोई हो, की वीकल प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30/- रुपये प्रति की अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की वीकल प्रतियाँ उपलब्ध नहीं हों, विनिर्देश तथा चित्र आरंभ, यदि कोई हो, की पूर्ण प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30/- रुपये की अदायगी पर की जा सकती है।

Ind. Cl. : 53

183961

Int. Cl.<sup>4</sup> : B 62K 3/00.

"A FORWARD-DRIVE APPARATUS FOR A BICYCLE".

Applicant : M. B. I. CO., LTD OF 267-12, SAGHANG-DONG, HEUNGDUK-KU, CHEONG JU-SI, CHUNG CHEONG BUK-DO, REPUBLIC OF KOREA.

Inventor : MUN SU YOO.

Application No. 672/Cal/95 filed on 13-6-1995.

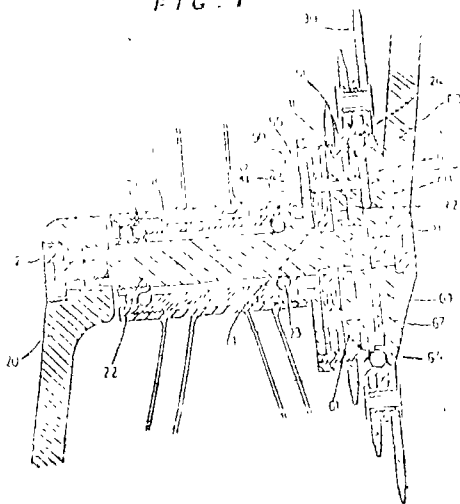
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

## 29 Claims

A forward drive apparatus for bicycle for receiving a drive from the pedals of a bicycle and transmitting a drive to a wheel of the bicycle, comprising :

a drive transferring portion (40, 140, 220, 340, 440) for receiving the drive force from the pedals, and transferring the drive force to a drive sprocket (30); a drive coupling portion (60, 160, 240, 370, 470) for enabling the forward or idle rotation of the drive sprocket, according to the operation of a drive switching portion (50, 150, 230, 350, 450), which is adapted to convert the drive force from the drive transferring portion into forward or idle rotation of the wheel, said drive switch portion comprising a switching means, operable between first and second positions, the arrangement being such that forward rotation of the pedals causes forward rotation of the wheel and, in the event of the switching means being in said first position, reverse rotation of the pedals also causes forward rotation of the wheel and, in the event of said switching means being in said second position, reverse rotation of the pedals is capable of being effected independently of rotation of the wheel.

FIG. 1



Compl. Specn. 62 pages

Drgs. 20 sheets.

Ind. Cl. : 128 A

183962

Int. Cl.<sup>4</sup> : A61 B19/08

"MULTI-ELEMENT SURGICAL DRAPE."

Applicant : JOHNSON & JOHNSON MEDICAL, INC, OF 2500 ARBROOK BLVD, ARLINGTON, TX 76004-3030, UNITED STATES OF AMERICA.

Inventor : 1. DAVID BUTTERWORTH, 2. SUSAN L. O. CONNELL

Application No. 283/Cal/98 filed on 20-2-1998

(Divided out of No. 285/Cal/94 Ante dated to 20-4-94.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

#### 05 claims

A multi-element surgical drape, comprising

(a) a bottom sheet for placement over a patient and comprising

- (i) a bottom surface for contacting the patient,
- (ii) a top surface for facing away from the patient after placement,
- (iii) first attachment means on the top surface,
- (iv) guide means to indicate a preselected position on the top surface, and
- (v) a fenestration and

(b) a top sheet for placement over the bottom sheet in the preselected position, comprising

- (i) a bottom surface for facing the bottom sheet and a top surface for facing away from the bottom sheet.
- (ii) second attachment means on the bottom surface that attaches to the first attachment means on the bottom sheet to removably secure the top sheet to the bottom sheet, and
- (iii) a fenestration smaller than the fenestration in the bottom sheet and aligned with the fenestration in the bottom sheet when the top sheet is in the preselected position.

Compl. Specn. 16 pages

Drgs. 10 sheets.

Ind. Cl. : 64 B1

183963

Int. Cl. : H01 R 11/11

"AN ELECTRICAL CONNECTOR FOR CONNECTING CABLES AND METHOD FOR ITS MANUFACTURE."

Applicant : L. D. & A. D. MACEY P/L OF 26 SCOTT STREET, NORTH ROTHBURY, NEW SOUTH WALES 2335, AUSTRALIA.

Inventor : LAURENCE DAVID MACEY.

Application No. : 687/Cal/95 filed on 15-6-1995.

(Convention No. PM 6318 on 17-6-94 in Australia)

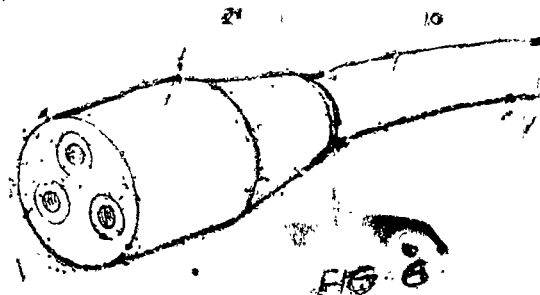
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

#### 10 Claims

An electrical connector suitable for connecting cables which conduct heavy current, from 30 to 1000 amps to a mating fitting, comprising;

a plurality of insulated electrical conductors encased by sheathing and each having a thimble secured to one end thereof and a pin removably secured to each thimble, and

a single molded dielectric casing surrounding a portion of all of the conductors, surrounding the thimbles, and surrounding the pins, which pins do not protrude from said casing, the casing leaving said end of the pin exposed for connection to said mating fitting.



Compl. Specn. 11 pages;

Drgns. 03 sheets.

Ind. Cl. : 32 F1, 32 F2(9)

183964

Int. Cl. : C07C-79/10, 79/12, 79/22 G03F-7/00.

"A PROCESS FOR PREPARING PHOTO-ACTIVE COMPOUND."

Applicant : PPG INDUSTRIES OHIO, INC, OF 3800 WEST 143RD STREET, CLEVELAND, OHIO 44111, STREET OF OHIO, UNITED STATES OF AMERICA.

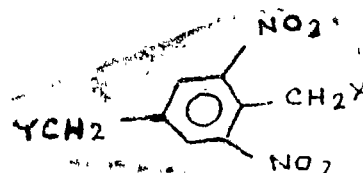
Inventor : CHARLES F. KAHLE, II; GREGORY J. MCCOLLUM; NEIL D. MCMURDIE; RAPHAEL O. KOLIA; DANIEL E. RARDON.

Application No. : 774/Cal/95 filed on 7-7-1995.

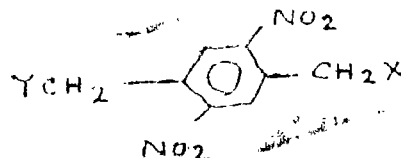
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta.

#### 10 Claims

1. A process for preparing a photoactive compound comprising the structure



or



wherein X and Y may be the same or different and are selected from the halogen, -OH, -OR, -O-SO<sub>2</sub>R -SR and -NRR';

where R and R' are hydrogen or substituted or unsubstituted alkyl, aryl or aralkyl substituents which comprises nitrating a haloxylene compound of the structure



where Y' and X' are the same or different halogen atoms with nitric acid at a temperature below 35°C wherein nitric

acid is used in a molar ratio of greater than 2:1 to the haloxylene compound, and if desired converting a compound obtained of structure (3) or (4) respectively where Y and X are the same or different halogen atom to a corresponding compound where Y and X are as defined above but are other than halogen.

(Compl. Specn. 25 Pages;

Drngs. Nil.)

Ind. Cl. : 206E

183965

Int. Cl.4 : H 04J-13/00

"CODE DIVISION MULTIPLE ACCESS COMMUNICATION SYSTEM."

Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. OF 1006 OAZA KADOMA, KADOMA-SHI, OSAKA 571, JAPAN.

Inventor : 1. TAKAYUKI NAKANO, 2. OSAMU KATO, 3. NOBOU ASANO

Application No. : 914/Cal/95 filed on 7-8-1995.

Appropriate Office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

#### 07 Claims

A code division multiple access communication system comprising :

a mobile station,

a base station, and

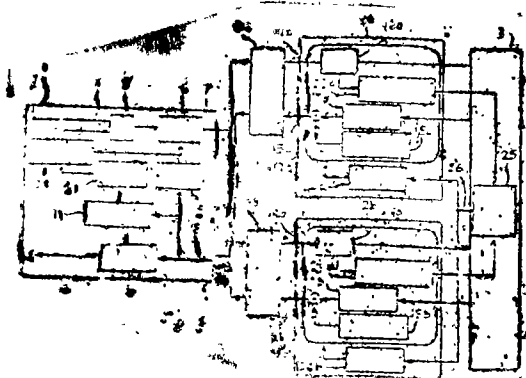
a mobile communication control equipment wherein a plurality of carriers are allocated for mobile communications and said mobile station comprises :

reception power measurement means for measuring the reception power of said mobile station, and

a self-sacrifice information generation means for generating self-sacrifice information indicating that said mobile station is in a self-sacrifice state according to the output of said reception power measurement means; and said base station comprises :

a self-sacrifice information detection means for detecting the self-sacrifice information transmitted from said mobile station, and carrier determination means for determining a carrier to be used at said base station based on the self-sacrifice information to prohibit or restrict the use of a designated carrier received from said mobile communication control equipment and said mobile communication control equipment comprises :

a means for generating information to prohibit or restrict the use of the designated carrier at said base station according to the output of said self-sacrifice information detection means transmitted from said base station.



Compl. Specn. 16 pages.

Drngs. 04 sheets

Ind. Cl. : 88F

183966

Int. Cl.4 : B01D 47/02

PROCESS FOR PRODUCING PURIFIED FLUE GAS FROM FLUE GAS CONTAINING NITROGEN OXIDES.

Applicant : BIOSTAR B.V. OF P.O. BOX 52, NL-8560 AB BALK, THE NETHERLANDS.

Inventors :

1. BUISMAN, CEES JAN NICO.

2. DIJKMAN HENDRIK.

3. VERBRAAK, PETRUS LEONARDUS.

4. DEN HARTOG, ADRIANUS IOHANNES

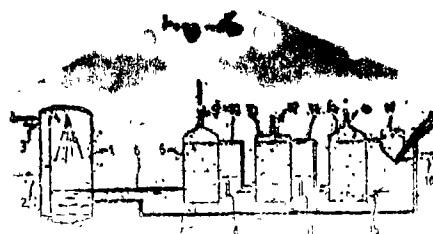
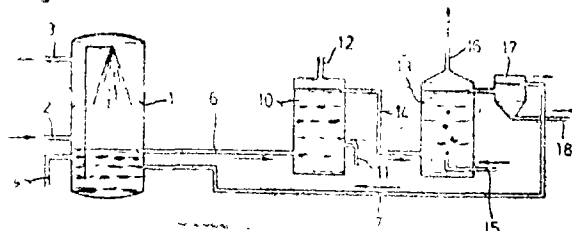
Application No. 947/Cal/95 filed on 14-08-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

#### 12 Claims

Process for producing purified flue gas from flue gas containing nitrogen oxides, in which the flue gas is scrubbed with a circulating scrubbing liquid containing a chelate of a transition metal, such as herein described, and the complex formed of nitrogen oxide and transition metal chelate is reduced, characterised in that the complex of nitrogen oxide and transition metal chelate is biologically reduced in the manner, such as herein described, in the presence of an electron donor, such as herein described.

Fig - 3



Compl. Specn. 10 Pages:

Drngs. 2 Sheets

Ind. Cl. : 32 A 1

183967

Int. Cl.4 : C 09 B 24/00; C 09 B 67/20

A PIGMENT COMPOSITION COMPRISING MONOAZO PIGMENT AND N, N'-BIS (TRIAZINYL)-4, 4' DIAMINO-STILBENE-2, 2' DISULFONIC ACID DERIVATIVES.

Applicant : HOECHST AKTIENGESellschaft OF D-65926 FRANKFURT AM MAIN. FEDERAL REPUBLIC OF GERMANY.

Inventors :

1. JOACHIM WEIDE.

2. RUDIGER JUNG.

3. HANS JOACHIM METZ.

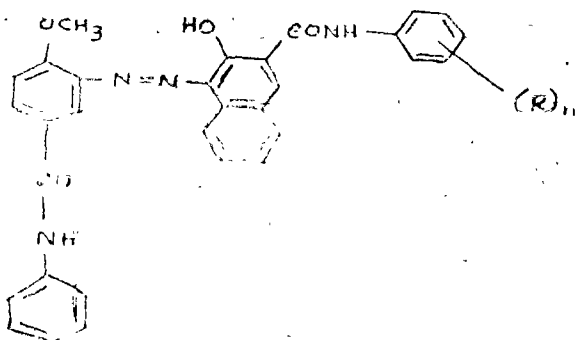
Application No. 980/Cal/95 filed on 21-08-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 5 Claims

A pigment composition comprising

(a) at least one monoazo pigment of the formula (I)

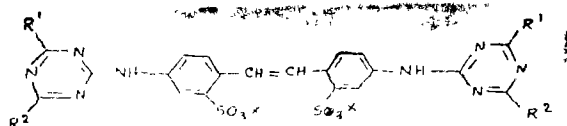


in which

R is identical or different at each occurrence and is C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>3</sub>-alkoxy, chlorine or hydrogen, and

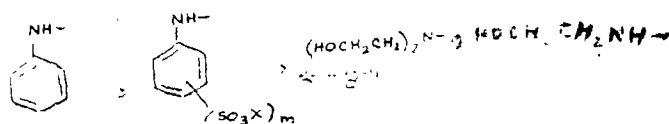
n is a number from 1 to 3,

(b) at least 0.1 to 8% by weight of one compound of the formula (II)



in which

R<sup>1</sup> and R<sup>2</sup> are identical or different and are a radical of the formula



or a five- to seven-membered, saturated or unsaturated,

aliphatic or aromatic heterocyclic ring which includes from 1 to 3 heteroatoms from the group consisting of nitrogen, oxygen and sulfur,

m is the number 1 or 2, and

X is hydrogen, and alkali metal or a stoichiometric equivalent or an alkaline earth metal;

and, if desired,

(c) further, 0 to 20% by weight of conventional constituents and additives the balance being made up by the monoazo pigment.

Compl. Specn. 20 Pages:

Drgns. Nil

Ind. Cl. : 32 (F-1); 32 (F-2a); 32 (F-3d)

183968

Int. Cl.<sup>4</sup> : C07 C 45/46

PROCESS FOR THE PREPARATION OF BENZOPHENONE COMPOUNDS.

Applicant : AMERICAN CYANAMID COMPANY OF FIVE GIRALDA FARMS, MADISON, NEW JERSEY 07940 0874, UNITED STATES OF AMERICA.

Inventors :

JUERGEN CURTZ,

CHRISTINE HELENE GERTRUD RUDOLPH,

LUDWIG SCHROEDER

GUIDO ALBERT,

ANNEROSE EDITH ELISE REHNIG,

EWALD GERHARD,

SIEVERGING.

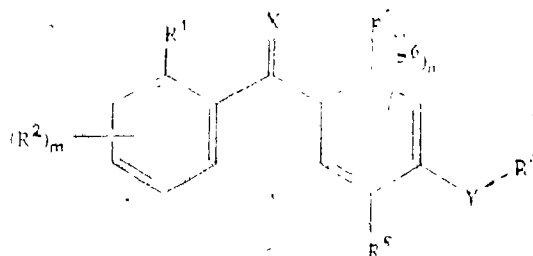
Application No. 91/Cal/96 filed on 19-01-1996.

(Convention No 02/479502 on 7-6-95 in U.S.A.)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

## 13 Claims

A process for the preparation of a benzophenone compound of formula I :



wherein X is an oxygen atom;

R represents a halogen atom, an optionally substituted alkyl group or a cyano group;

m is an integer of 0, 1, 2, 3 or 4;

R<sup>1</sup> independently represents a halogen atom, an optionally substituted alkyl or alkoxy group or when R<sup>1</sup> and R<sup>2</sup> are attached to adjacent carbon atoms, R<sup>1</sup> and R<sup>2</sup> may be taken together to represent an optionally substituted -CH=CH-CH=CH- or alkylene or oxyalkyleneoxy group;

R<sup>3</sup> represents a hydrogen or halogen atom, an optionally substituted alkyl, alkoxy, alkenyl, alkylthio, alkylsulphanyl, alkylsulphonyl, cyano, carboxy, hydroxy, nitro, or an optionally substituted amino group;

R<sup>4</sup> represents an optionally substituted alkyl or acyl group;

R<sup>5</sup> represents a halogen atom, an optionally substituted alkyl, alkoxy, alkenyloxy, alkynloxy, alkylthio, cycloalkyl, cycloalkyloxy group, trialkylsilyloxy group, hydroxy,

—ONa, —OK, —OC(O)R<sup>7</sup>, —OCHR<sup>8</sup>C(O)R<sup>7</sup>, —OC(O)NR<sup>8</sup>R<sup>9</sup>, —S(O)<sub>2</sub>R<sup>8</sup>, —OS(O)<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, —OP(X<sup>1</sup>)(OR<sup>8</sup>)(OR<sup>9</sup>), —OP(X<sup>1</sup>)(R<sup>9</sup>)R<sup>9</sup> —S(O)R<sup>8</sup> or —S(O)<sub>2</sub>R<sup>8</sup> group or R<sup>4</sup> and R<sup>5</sup> may be taken together to represent an optionally substituted alkylene or alkyleneoxy chain;

n is 0, or an integer or 1 or 2,

R<sup>6</sup> independently represents an optionally substituted alkoxy or cycloalkoxy group, a hydroxy or an =OC(O)R<sup>10</sup> group or when R<sup>5</sup> and R<sup>6</sup> are attached to adjacent carbon atoms, R<sup>5</sup> and R<sup>6</sup> may be taken together to represent -CH=CH-CH=CH- or an optionally substituted oxyalkyleneoxy chain;

R<sup>7</sup> represents a hydrogen atom or an optionally substituted alkyl or alkoxy group;

R<sup>8</sup>, R<sup>9</sup> and R<sup>10</sup> independently represent a hydrogen atom or an alkyl group or R<sup>8</sup> and R<sup>9</sup> may be taken together to represent an alkylene chain optionally interrupted by an oxygen or nitrogen atom;

X<sup>1</sup> represents an oxygen atom or a sulphur atom;

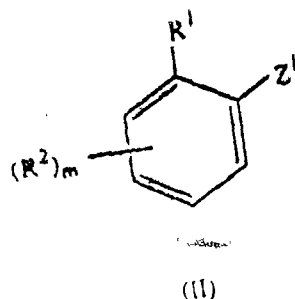
Y represents an oxygen atom, a sulphur atom a sulphonyl or a sulphinyl group; and

With the provisos that

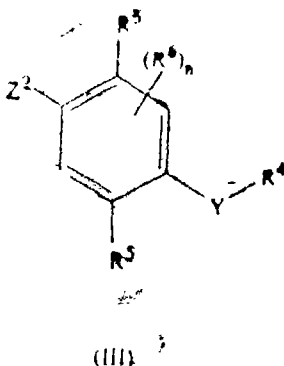
- (i) when R<sup>1</sup> represents a halogen atom, then R<sup>2</sup> must be other than a halogen atom or no more than one alkyl or alkoxy group;
- (ii) when R<sup>1</sup> represents an alkyl group, then R<sup>2</sup> must be other than alkyl;
- (iii) when m is 1, then R<sup>2</sup> must be other than an alkoxy group;
- (iv) R<sup>6</sup> represents a substituted alkenyl group, then R<sup>6</sup> must be substituted with other than an alkoxy or acyl group;
- (v) when R<sup>4</sup> represents a haloalkyl group, then R<sup>1</sup> and R<sup>2</sup> must be other than a haloalkyl group; and
- (vi) when Y represents an oxygen atom, then R<sup>4</sup> and R<sup>5</sup> must

both be other than a hydrogen atom and n must be an integer of 1 or 2;

which comprises reacting a compound of formula II



with a compound of formula III



wherein

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, Y, m and n are as defined above and Z<sup>1</sup> represents a hydrogen atom or a magnesium halide group MgHal, wherein Hal represents a bromine or iodine atom, and Z<sup>2</sup> represents COCl.

(Compl. Specn. 88 Pages;

Draw. Nil)

Ind. Cl. : 40 F

183969

Int. Cl. : B 01 J 4/02

"AN AUTOMATED DOSING APPARATUS".

Applicant : (1) BASF CORPORATION OF DELAWARE, UNITED STATES OF AMERICA. 3000 CONTINENTAL DRIVE—NORTH, MOUNT OLIVE, NJ 07828-1234 U.S.A. (2) CYDEC S.A. OF PLACE DE LA GARE 5, CH-1296 COPPET SWITZERLAND

Inventor : DANIEL GUYOMARD, JAMES L. ANDERSON, ALFRED FRANK, GEORGES CHAVAILLAZ.

Application No. : 162/Cal/95 filed on 26-09-1995.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

### 13 Claims

An automated dosing apparatus (10) having a dosing head (12) for dispensing a dose of flowable material, a supply canister (22A, 22B) for maintaining a supply of the flowable material under a pressure P<sub>1</sub>, a supply line (14A, 14B) which fluid-connects the supply canister (22A, 22B) to the dosing head (12), and a flow valve (32A, 32B) disposed in the supply line (14A, 14B) having at least closed and opened conditions which respectively prevent and allow the flowable material to flow to the dosing head (12), characterised by a recirculation system which recirculates the flowable material during a recirculation mode to the supply canister (22A, 22B), said recirculation system comprising :

a buffer reservoir (60A, 60B);

a recirculation channel (54A) within the dosing head (12) which is fluid-connected to the supply line (14A, 14B);

a recirculation line (44A, 44B) which fluid-connects the recirculation channel (54A) to the buffer reservoir (60A, 60B);

a transfer line (70A, 70B) which fluid-connects the buffer reservoir (60A, 60B) and the supply canister (22A, 22B);

a source of pressurizing fluid at a pressure P<sub>2</sub> greater than the pressure P<sub>1</sub> of the supply canister (22A, 22B);

a control valve (64A, 64B) operatively interconnecting the buffer reservoir (60A, 60B) to the source of pressurization fluid and having a vent condition wherein the buffer reservoir (60A, 60B) is vented and a pressurization condition wherein the buffer reservoir (60A, 60B) is fluid-connected to the source of pressurization fluid; and

an automated controller (20) operatively connected to the flow and control valves (32A, 32B, 64A, 64B) for (i) initiating a recirculation mode by issuing a first signal to cause the flow valve (32A, 32B) to assume its opened condition and thereby allow the flowable material to flow through the recirculation line (44A, 44B) to the buffer reservoir, (60A, 60B), whereby a volume of recirculated flowable material is accumulated within the buffer reservoir (60A, 60B), and thereafter, (ii) initiating a transfer mode by issuing a second signal to cause the control valve (64A, 64B) to assume its pressurization condition, wherein the buffer reservoir (60A, 60B) is pressurized by the pressurization fluid in response to the control valve (64A, 64B).

assuming the pressurization condition to thereby cause the volume of recirculated flowable material within the buffer reservoir (60A, 60B) to be transferred to the supply canister (22A, 22B).

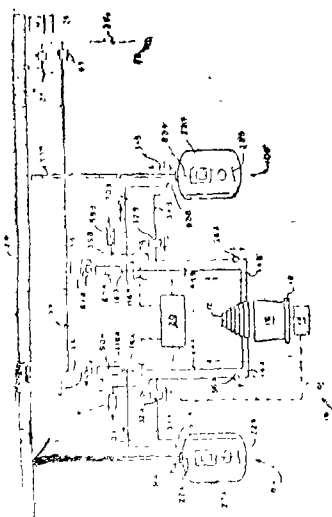


Fig. 1

(Comp. Specn. : 31 Sheets;

Drngs. : 6 Sheets)

Ind. Cl. : 32 F.(d), 32 F.(b), 40 F, 55E<sub>a</sub> 183970Int. Cl.<sup>4</sup> : A 61 K 31/335, 31/55, C 07 B 57/00, C 07 C 41/58

**"PROCESS FOR PREPARING OPTICALLY ACTIVE TRANS-3-SUBSTITUTED GLYCIDIC ACID ESTER".**

Applicant : TANABE SEIYAFU CO. LTD. OF 2-10, DOSHO-MACHI 3-CHOME, CHUO-KU, OSAKA, JAPAN.

Inventor : MASAKATSU FURU TOSHIYUKI FURU-TANI.

Application No. : 256 Cal/93 filed on 19-02-1998.

(Convention No. : 43372/1997 & 341668/1997 on 27-2-97 & 11-12-97 in Japan).

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972), Patent Office, Calcutta.

**16 Claims**

1. A process for preparing an optically active trans-3-substituted glycidic acid ester compound of the formula (I) :



wherein ring A is a benzene ring which may be substituted by a substituent R, wherein R is

(a) a linear or branched lower alkyl group, eg. methyl group, ethyl group, propyl group, isopropyl group, n-butyl group, sec-butyl group, t-butyl group, n-hexyl group, 2-hexyl group or 3-hexyl group;

(b) a linear or branched lower alkoxy group, eg. methoxy group, ethoxy group, propoxy group, isopropoxy group, n-butoxy group, sec-butoxy group, t-butoxy group, n-hexyloxy group, 2-hexyloxy group or 3-hexyloxy group; or

(c) a halogen atom, eg. fluorine atom, chlorine atom, bromine atom or iodine atom, and

R<sup>1</sup> is an ester residue,

which process comprises :

(a) preparing a solution of an optical isomer (A) of the ester compound (I) having a (2R, 3S) or (2S, 3R) configuration, an optical isomer (B) of the ester compound (I) having a

configuration of (2S, 3R) when the isomer (A) has a configuration of (2R, 3S) and having a configuration of (2R, 3S) when the isomer (A) has a configuration of (2S, 3R), both of which are optical isomers due to the asymmetric carbons at 2- and 3- positions, and an ester compound (B') which is different from the isomer (B) only in the ester residue R<sup>1</sup>,

in a solvent such as herein described, and with or without an ester compound (A') which is different from the isomer (A) only in the ester residue R<sup>1</sup> and has the same ester residue as the ester compound (B').

(b) crystallizing the optical isomer (A) from the resultant solution of said step (a) to the extent that the optical isomer (A) is crystallized without the precipitation of the optical isomer (B) due to the presence of the ester compound (B') though the optical isomer (B) would precipitate if the ester compound (B') were not present, and

(c) isolating the crystals of the optical isomer (A) by a method known per se; and optionally;

the said ester compound (B') used in the step (a) being obtained by transesterifying the optical isomer (B) in the said solution by an alcohol in the presence of a stereoselective enzyme, such as herein described.

(Compl Specn. : 80 Pages;

Drngs. : One Sheet)

Ind. Cl. : 172 D3

183971

Int. Cl.<sup>4</sup> : D 01 H 1/241

**"SPINDLE TAPE TENSION APPARATUS FOR SPINNING MACHINE".**

Applicant : KABUSHIKI KAISHA TOYODA JIDOSHOKKI SEISAKUSHO, A JAPANESE COMPANY, 1, TOYODA-CHO, 2-CHOME, KARIYA-SHI, AICHI-KEN, JAPAN.

Inventor : KIWAMU NIIMI.

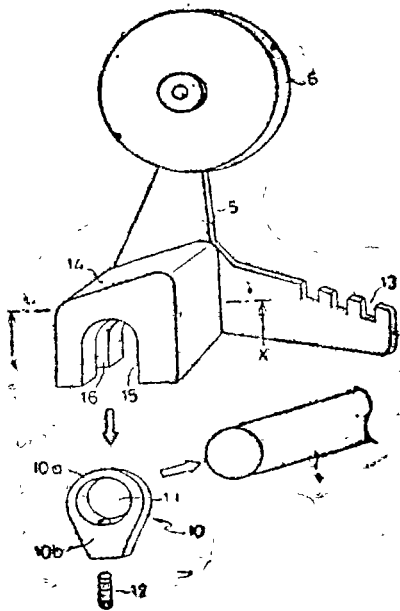
Application No. : 91/Mas/94 filed on 14th February 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

**3 Claims**

A spindle tape tension apparatus for a spinning machine having a frame structure, and a rotary shaft carrying a tape pulley mounted thereto and extending in a longitudinal direction of said frame structure, said apparatus comprising: a support shaft extending parallel to said rotary shaft; a substantially L-shaped tension arm having one end to which a tension pulley is rotatably fixed and the other end to which a tensioning member is mountable with a central region being defined therebetween; a block-shaped bracket integrally fixed to said central region of said tension arm; and a through recess formed in said bracket so as to have an opened bottom and extend from one to the other of

opposed surfaces of said bracket, wherein said through recess is engaged from above with said support shaft to thereby swingably support said tension arm at a location on said support shaft.



(Comp. Specn. : 12 Pages;

Drgs. : 3 Sheets)

Ind. Cl. : 172 D3, 4.

183972

Int. Cl.<sup>4</sup> : D 01 D 1/26.

MIDDLE BOTTOM ROLLER DRIVE MECHANISM FOR FINE SPINNING FRAME.

Applicant : KABUSHIKI KAISHA TOYODA JIDO-SHOKKI SEISAKUSHO, 1, TOYODA-CHO, 2-CHOME, KARIYA-SHI, AICHI-KEN, JAPAN; A JAPANESE COMPANY.

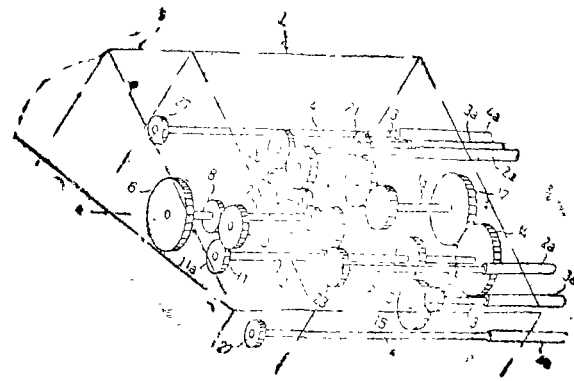
Inventor : YOSHIMASA FUJII.

Application No. 092/Mas/94 filed on 14th February 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 3 Claims

A middle bottom roller drive mechanism for a fine spinning frame (1) having a pair of middle bottom roller drive shaft (3) extending on either side of the spinning frame (1) a drive source gear (6), and a gear train disposed between said middle bottom drive shafts (3) and said drive source gear (6), said mechanism comprising a change gear (11) in said gear train, which is replaceable with another change gear for changing the break draft ratio of said spinning frame (1), said change gear (11) being disposed between said drive source gear (6) and a position at which power transmitted from said drive source gear is divided in two directions for acting on said corresponding middle bottom roller drive shafts, respectively.



(Compl. Specn. : 13 pages;

Drgns. : 2 sheets)

Ind. Cl. : 187 E4.

183973

Int. Cl.<sup>4</sup> : H 04 R 1/28, 17/09.

PIEZOCERAMIC CAPSULE FOR TELEPHONE INSTRUMENTS.

Applicants : ALCATEL DIAL FACE S.P.A., VIA ACHILLE, MILAN, ITALY (A ITALIAN COMPANY).

Inventors :

1. ANTONIO D'AVOLIO

2. LUIGI PRESENTI

Application No. 93/Mas/94 filed on 14th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

### 9 Claims

A piezoceramic capsule for telephone instruments of the type comprising :

a bottom base in the form of a circular spool made of insulating material, provided with at least two nail-shaped feed-through terminals, formed into respective through-holes axially extending in said bottom base and diametrically opposite, said terminals being accessible from outside;

a piezoceramic diaphragm in the form of a disc having the central portion of a first face covered by a circular ceramic layer and having two poles located on said first face to be in pressure contact with the heads of said two nail-shaped terminals respectively;

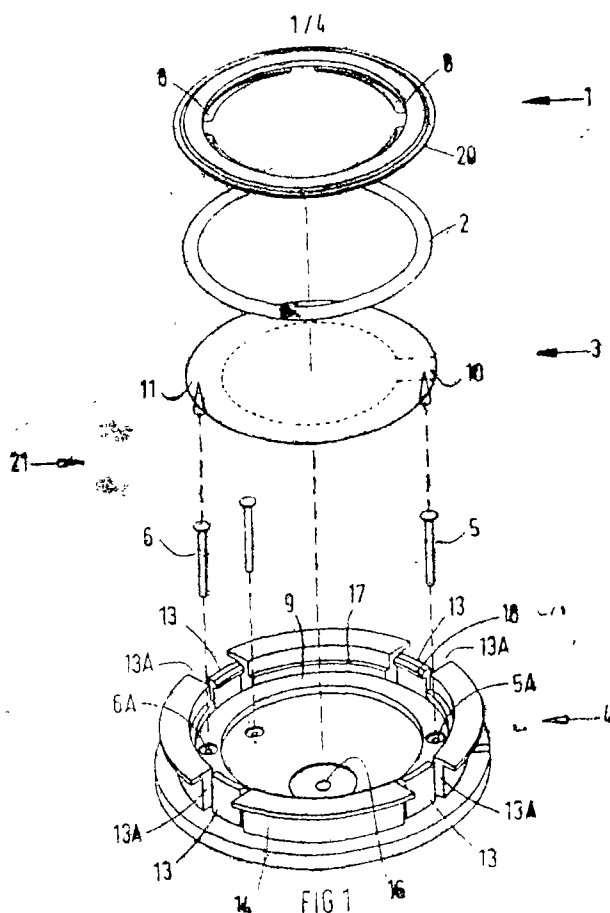
an elastic element in the form of an O-ring disposed on the second face of said diaphragm and designed to produce the required contact pressure between said poles and said terminal heads; and a perforated case provided with openings for the transmission of acoustic waves generated by the vibrations of diaphragm, disposed in such a way as to hold said elastic element in contact with said diaphragm;

said capsule being characterized in that :

said case is formed as a cover-up disc, and

said spool houses, in a cylindrical cavity hollowed out in its face adjacent to said diaphragm, respectively from

bottom to top, said diaphragm, said O-ring and said cover-up disc and to hold the same assembled with a preloading on the O-ring.



(Compl. Specn. : 13 pages;

Drgns. : 4 sheets)

Ind. Cl. : 152 E.

183974

Int. Cl.<sup>4</sup> : C 08 J 9/00.

#### A FOAMABLE ORGANIC POLYMER COMPOSITION.

Applicant : MITSUBISHI CABLE INDUSTRIES LTD.  
OF 8, NISHINOCHO, HIGASHIMUKAIJIMA, AMAGA-  
SAKI-SHI, HYOGO 660 JAPAN OF JAPANESE-  
NATIONALITY.

Inventors :

1. TOSHIHIRO ZUSHI
2. TAKASHI HIGASHIKUBO
3. TAMOTSU KAIDE
4. TAKUMA TAKAI
5. MAKOTO WADA
6. KANEHARU SUGA

Application No. : 103/Mas/94 filed on 16th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 13 Claims

A foamable organic polymer composition for obtaining a uniform and fine foam of high expansion ration comprising component (A) consisting of an organic foamable polymer such as herein described and a known chemical foaming agent, 50% or more of the said component (A) being foamable and said component (B) consisting of a physical foaming agent selected from the group of rare gases and carbon dioxide.

(Compl. Specn. : 26 pages;

Drgns. : 2 sheets)

Ind. Cl. : 90 J.

183975

Int. Cl.<sup>4</sup> : C 03 B 11 /00.

#### AN APPARATUS FOR CONTROLLING FLOW OF GLASS THROUGH A PLURALITY OF DISCHARGE ORIFICES LYING IN A SINGLE VERTICAL PLANE IN A GLASS FOREHEARTH.

Applicant : OWENS-BROCKWAY GLASS CONTAINER INC., ONE SEAGATE, TOLEDO OH 43666, USA, AN U.S. COMPANY.

Inventors :

1. D. WAYNE LEIDY
2. FRANK J. DIFRANK

Application No. 125/Mas/94 filed on 24th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

#### 17 Claims

An apparatus for controlling flow of glass through a plurality of discharge orifices (13) lying in a single vertical plane (P1, P2) in a glass forehearth (11), said apparatus comprising a plurality of closely spaced plungers (12) associated with said orifices (13), each said plunger (12) having a vertical axis,

said vertical axes of said plungers (12) lying in a single plane (P1, P2).

means for supporting each plunger (12) independently of the other having,

a plurality of closely spaced arms (15), and

a plurality of servo controlled linear actuators (16) each said arm (15) having opposed ends,

each linear actuator being independently operable adapted to move an associated one of said arms (15),

said actuators (16) being closely spaced to one another and mounted on one side of said forehearth (11),

one of said ends of each said arm (15) being connected to one of said plungers (12),

said arms (15) are configured with their major portions generally parallel or perpendicular to the plane (P1, P2) of the plungers (12).

(Compl. Specn. : 16 pages;

Drgns. : 5 sheets)

Ind. Cl. : 70 A.

183976

Int. Cl.<sup>4</sup> : C 25 C 07/06.

#### A TANK FOR ELECTROLYSIS INSTALLATION.

Applicant : ASTURIANA DE ZINC, S.A. A SPANISH COMPANY, SAN JUAN DE NIEVA, 33417, ASTURIAS, SPAIN.

## Inventors :

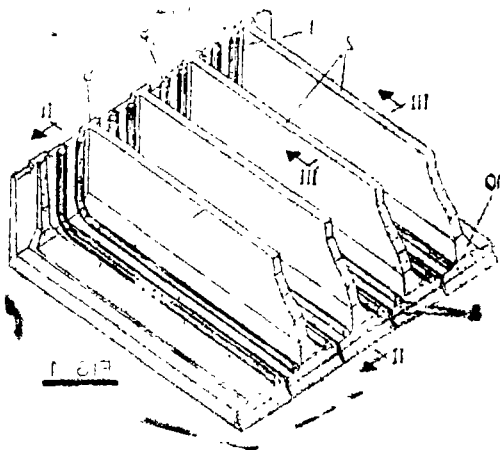
1. D. FRANCISCO J. SITGES MENENDEZ
2. D. FERNANDO SITGES MENENDEZ
3. D. FRANCISCO ALVAREZ TAMARGO
4. D. YVES LEFEVRE

Application No. 134/Mas/94 filed on 24th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 2 Claims

A tank for electrolysis installation comprising a series of cells, each cell having a rectangular layout, with a length, a width shorter than the length, and a depth, a closed bottom and side walls, and an open top having an upper edge, each cell being provided along the upper edge of its longer walls with electrical outlets for the electrodes as well as insulating supports for the electrodes, the tank comprising at least one conduit with perforated walls in each cell, which conduit runs over the bottom of the cell, along its length, and ascends along-side the shorter walls to reach a level for liquid within the tank, the cell being provided below with surfaces which are inclined towards at least one perforated conduit, the conduit having sufficient cross-sectional area to act as a guide for insertion of a suction head and pipe for sludge extraction.



(Compl. Specn. : 10 pages;

Drgs. : 2 sheets)

Ind. Cl. : 70 B.

103977

Int. Cl.<sup>4</sup> : C25 C07/06

## A MACHINE FOR CLEANING THE ANODES OF ELECTROLYTIC TANKS.

Applicant : ASTURIANA DE ZINC S.A., A SPANISH COMPANY, SAN JUAN DE NIEVA, 33417 ASTURIAS, SPAIN.

## Inventors :

1. D. FRANCISCO JAVIER SITGES MENENDEZ
2. D. FERNANDO SITGES MENENDEZ
3. D. FRANCISCO ALVAREZ TAMARGO
4. D. JOSE MARIA MARTINEZ VALDES

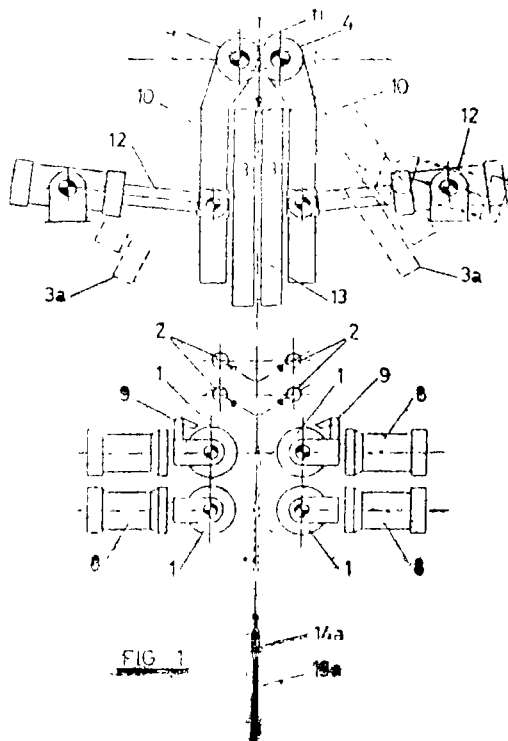
Application No. 135/Mas/94 filed on 28th February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 10 Claims

A machine for cleaning the anodes of electrolytic tanks in particular for eliminating the deposits of impurities which adhere to the surfaces of the anodes (13) used in the electrolytic of non-ferrous metals, characterized in that it comprises

at least one pair of parallel horizontal cutting rollers situated at the same height; two series of nozzles for supplying jets of water under pressure and situated above said rollers; two plates situated above the nozzles and which are each suspended by their horizontal upper axes and have flat opposing surfaces; and means of suspending and raising the anodes between said rollers, nozzles and plates; said pair of rollers, nozzles and plates; said pair of rollers being rotating and with adjustable separation; and said two series of nozzles and plates occupying symmetric positions relative to the vertical mid-plane which passes between the pair of rollers, the nozzles being directed towards said plane, at a certain angle and the plates pivoting about the suspension axes between a closed position, in which they are parallel and situated at an adjustable distance approximately equal to the thickness of the anodes, and an angular opened position.



(Compl. Specn. : 19 pages;

Drgs. : 5 sheets)

Ind. Cl. : 85 J, 176 I.

103978

Int. Cl.<sup>4</sup> : F 22 B 1/00, F 23 C 11/02.

## PRESSURIZED INTERNAL CIRCULATING FLUIDIZED-BED BOILER.

Applicant : EBARA CORPORATION OF 11-1, HANEDA ASAHICHO, OHTA-KU, TOKYO JAPAN, A JAPANESE COMPANY.

## Inventors :

1. SHUICHI NAGATO
2. MASAYUKI HORIO
3. TAKAHIRO OSHITA
4. NORIHISA MIYOSHI
5. SEIICHIRO TOYODA
6. AKIRA SHIMOKURA
7. TOMOYUKI SHINANO
8. SHUGO HOSODA

Application No. 138/Mas/94 filed on 1st March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 29 Claims

A pressurized cylindrical internal circulating fluidized bed boiler for use in a combined cycle electric generating system comprising :

a pressure vessel (1); a combustor (2) disposed in said pressure vessel;

a main fluidized bed combustion chamber (9) having an air diffusion device provided at the bottom of said combustor and adapted to inject fluidizing air upwardly under a mass flow that is at least greater at one side than at another side;

a partition wall (8) provided above a portion of said air diffusion device;

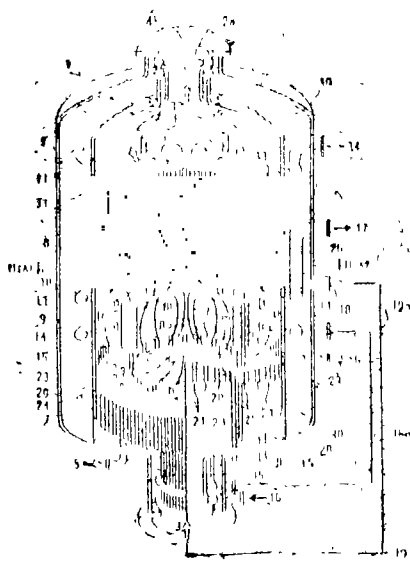
a thermal energy recovery chamber (10) partitioned from said main combustion chamber by said partition wall;

a means for surface heat transfer provided in said thermal energy recovery chamber for a passage of a heat receiving fluid therethrough;

an air diffuser provided at a lower portion of said thermal energy recovery chamber;

a free board (31) provided above said main combustion chamber and said thermal energy recovery chamber;

wherein said thermal energy recovery chamber communicates at upper and lower portions thereof with said main fluidized bed combustion chamber, a moving bed is formed above the portion of said air diffusion device where the injected mass flow is smaller so that a fluidized medium descends and diffuses within the moving bed, and a circulating fluidized bed is formed above the portion of said air diffusion device where the mass flow of the fluidizing air is greater to intensely fluidize the said fluidized medium and whirl the same towards a position above said moving bed and a part of said fluidized medium is introduced into said thermal energy recovery chamber beyond an upper portion of said partition wall, said moving bed and said circulating fluidized bed are formed by regulation of the amount of air injected upwardly from said air diffusion device in said main combustion chamber, a moving bed is formed by regulating the fluidizing air injected from said air diffuser in said thermal energy recovery chamber to the fluidized medium within said thermal energy recovery chamber to descend as a moving bed for circulation to said main combustion chamber, and combustion gas from said combustion chamber and said thermal energy recovery chamber is mixed in said free board.



Ind. Cl. : 172 B.

183979

Int. Cl. : D 01 H 5/00.

## A SPINNING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A SWISS CORPORATION OF CH-406 WINTERTHUR, SWITZERLAND.

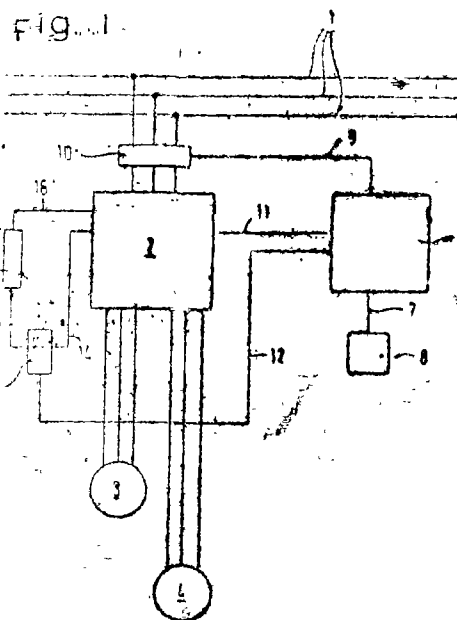
Inventor : WOLF HORST.

Application No. 145/Mas/94 filed on 02nd March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 05 Claims

Spinning machine, in particular a ring spinning machine, with a first driving motor (3) which is slowing down and a second running driving motor (4) which is running down more rapidly are supplied via a frequency converter (2) from three phase mains (1), characterized in that a power failure sensor (10) in the control unit (6) as well as a program storage unit (8) are provided, that the control unit (6) is activated by the power failure sensor (10) and is connected with the program storage unit (8) via a program data lead and that the control unit (6) controls the frequency converter (2) in such a way that, in the event of power failure, the energy given from the first driving motor (3) is supplied to the second driving motor (4), that the energy taken from the driving motor (3) operating as a generator and the energy supply to the driving motor (4) remaining in motor operation are controlled from the control unit (6) in such a way that a specified spinning slow down program is carried out according to specified rotational speeds of both driving motors (3, 4) at every point of time up to a mutual standstill, however, superfluous energy is still supplied from the driving motor (3) running as a generator and that energy consuming means (13, 14, 15, 16) are provided to utilize the superfluous energy of the driving motor (3) working as a generator.



Ind. Cl. : 62 C2  
Int. Cl.<sup>4</sup> : D 06 P 1/32.

183980

## REGISTRATION OF DESIGNS

## A PROCESS FOR DYEING CELLULOSE CONTAINING YARN WITH INDIGO.

Applicant : BASF AKTIENGESellschaft, A GERMAN JOINT STOCK COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, 67056 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

## Inventors :

1. GEORG SCHNITZER
2. FRANZ SUETSCH
3. MICHAEL SCHMITT
4. ERICH KROMM
5. HARALD SCHLUETER
6. RUDOLF KRUEGER
7. ANDREAS WEIPER-IDELMANN

Application No. 160/Mas/94 filed on 7th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

## 9 Claims

A process for dyeing cellulose containing yarn with indigo comprising the steps of treating the yarn with an aqueous solution of leuco indigo prepared by catalytic hydrogenation of indigo in an alkaline medium, re-reducing the indigo formed by oxidation during the dyeing step in known manner, and converting the leuco indigo in the cellulose yarn back to the pigment from by air oxidation

(Compl. Specn. : 15 pages;

Drgns. : nil sheet)

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181457 182117 181821 172481 170476 172849 180152 167297  
179520 180154 181823 175423 174428 174517 179245 182781  
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181487 178973 178266 173207 182137 178337 182926 175981  
177352 177498 177584 177590 177688 179144 180701 181750  
181325 181376 181443 182312 182320 182451 182750 182991  
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## CESSATION OF PATENTS

174655 174656 174714 174733 174764 174768 174770 174878  
174958 174983 175014 175031 175170 175197 175204

## PATENT SEALFD ON 28-04-2000

174861 175845 178512 180802 180887\* 183167\*D 183168\*D  
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183240\*D 183241 183242 183243 183244 183245\* 183248  
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\*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries

Class 3. No. 180441, Eagle Flask Industries Limited, a company incorporated and existing under the Comp. Act, 1956 and having its regd. office at Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra, India, "CASSEROLE", 28th September 1999.

Class 3. No. 180445 & 180446, Eagle Flask Industries Ltd., a company incorporated and existing under the Comp. Act, 1956 and having its regd. office at Eagle Estate, Talegaon-410507, Dist. Pune, Maharashtra, India, "FLASK" 28th September 1999.

Class 4. No. 181145, M/s. Bagla Cosmetics Pvt. Ltd., at J-610, Telecom Block, 4th Pusta Kartar Nagar, Shahdara, Delhi-110053, India, an Indian company, "BOTTLE", 22nd December 1999.

Class 12. Nos. 180333 & 180334, Toyo Cushion Lanka (Pvt.) Limited of No. 193, Minuwangoda Road, Kotugoda, Sri Lanka, an Sri Lankan Company, "RUBBERISED COIR MOULDED POT SPECIALLY DESIGNED FOR MECHANICAL HANDLING", 13th September 1999.

Class 12. No. 180336, Toyo Cushion Lanka (Private) Limited of No. 193, Minuwangoda Road, Kotugoda, Sri Lanka, a Sri Lankan Company, "RUBBERISED COIR MOULDED POT BOWL SHAPE", 13th September 1999.

Class 12. No. 180337, Toyo Cushion Lanka (Private) Limited of No. 193, Minuwangoda Road, Kotugoda, Sri Lanka, an Sri Lankan Company, "RUBBERISED COIR MOULDED POT BOWL SHAPE WITH WATER RETENTION IN THE BOTTOM", 13th September 1999.

Class 3. No. 180457, Recot Inc., a corporation organised and existing under the laws of the State of Delaware, United States of America of 5000 Hopyard Road Suite 460, Pleasanton, California 94588, U.S.A., "FLEXIBLE PACKAGE", 28th September 1999.

Class 12. No. 180458, Recot Inc., a corporation organised and existing under the laws of the State of Delaware, United States of America of 5000 Hopyard Road Suite 460, Pleasanton, California 94588, U.S.A., "A SNAKE FOOD PRODUCT", 28th September 1999.

K. K. MODAK

Asstt. Controller of Patents & Designs

प्रत्यक्ष भारत सरकार मन्त्रालय करीबतः दसरा मन्त्र

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